Questions Relevant to a
CRAFT System Design Specification

1. Security Requirements

    -   What are the memory emergency erasure
        requirements for the terminals and host
        systems?

    -   TEMPEST, but are there any design limitations
        e.g., space, weight, appearance?

    -   Can the terminals have floppies in the light
        of the quick data destruction requirement?

    -   Should security data appear on the screens?

    -   What will be the system security philosophy -
        all users cleared to System High?

    -   What electronic access controls are required
        and where should they be resident?

    -   What are the transaction record spooling
        requirements for archival back to US (frequency
        of takeoff, frequency of pouching)?

    -   Will applications code development be permitted
        on deployed CRAFT systems? If so, under what
        conditions?

2. Operating System Requirements

    -   What are the DBMS performance requirements?

    -   What are QPL requirements?

    -   How many simultaneous users must be accommodated
        initially? Expandable to what? All with what
        sort of turnaround time? (Break down by
        category of stations)

    -   How extensive a BIT? (Includes security)

    -   What are recovery and archival requirements?

    -   What are diagnostic software requirements?

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- What are required utilities - for development
  and for deployed stations?

3. System Operations

   - Will the system be totally menu driven? Will
     there be flexibility in the menu flow control?

   - What are the anticipated screens; how many,
     what types?

   - Will there be ad hoc reporting as well as
     formatted reporting?

   - What are the review and edit requirement for
     documents to be transmitted? Will there be
     any requirement to retain pre-final versions
     of documents, if so, what?

   - Will a graphics capability ultimately be required?

4. Applications Software Requirements

   - What are languages to be used and what
     programming standards?

   - What is the total Applications software partitioning, e.g.?

        + Communications

        + Word Processing

        + DB transaction handling

        + Screens and screen support

             o Error condition
             o Input combo/flow control

        + Access Control/Security

        + Management

             o Backup and recovery
             o Transaction accounting and recordation
             o System security purge

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+ Applications support packages

    o Dissemination
    o Synonym operations
    o Logistics
    o Finance
    o Personnel
    o Security, including inventory
    o Personal calendars, logs, etc.

- What are DB requirements, e.g.?

+ Preliminary identification of all files

    o Size
    o Update requirements
    o Archival requirements
    o Inversion requirements

+ Total DB characterization by type of station

- What are preliminary estimates of each applications software package?

+ Lines of code and memory requirements

+ Core requirements when operating

5. Hardware Requirements

- Host, by type of station

+ Processing power

+ I/O ports

+ Expandability

+ Card modularity

+ Reliability, availability

+ Field maintenance requirement - including diagnostic software

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- Disks

    + Removable

    + Record purge facility

    + Size

    + Reliability and Availability

- Printers

    + Speed

    + Fonts (e.g. letter, OCR?)

- Terminals

    + Standalone WP type

    + Smart, with graphics?

    + Communication

- Other, e.g.

    + Tape drive

    + Transaction record spooling

    + Console control

    + Modems